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H.I. Starnberg, Comment on 'Lifetime broadening in angle-resolved photoemission' by A.B. McLean, C.E.J. Mitchell and I.G. Hill 329 (1995) L624

A.B. McLean, Reply to "Comment on 'Lifetime broadening in angle-resolved photoemission' by H.I. Starnberg" 329 (1995) L629

L. Seehofer, S. Huhs, G. Falkenberg and R.L. Johnson, Gold-induced facetting of Si(111) 329 (1995) 157

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J. Zhang, P.A. Dowben, D. Li and M. Onellion, Angle-resolved photoemission study of oxygen chemisorption on Gd(0001) 329 (1995) 177

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M. Kanai, T. Kawai, K. Motai, X.D. Wang, T. Hashizume and T. Sakura, Scanning tunneling microscopy observation of copper–phthalocyanine molecules on Si(100) and Si(111) surfaces 329 (1995) L619

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T. Suzuki, A. Mikami, K. Uehara and M. Aono, Erratum to "Surface temperature of pulsed-laser-irridiated Si(111)-7 × 7 measured by second-harmonic generation" [Surface Science 323 (1995) L293] 329 (1995) L611

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